Gainward GTS 250 512MB HDMI DVI

GPU	Core	Memory	Capacity	Type	Outputs
GTS 250	675 MHz	900 MHz	512 MB	GDDR3 / 256 bits	DVI-I, VGA, HDMI

PRODUCT SPECIFICATIONS

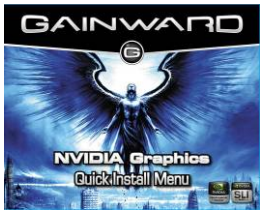
- **Superior Hardware Design**
- **Gainward's** award winning High-Performance/ Wide-Bandwidth™ hardware design powered by NVIDIA's GeForce™ **GTS 250** GPU integrating **512MB**/256bits high-speed GDDR3 memory which offers enhanced, leading-edge performance for the 3D enthusiasts.
- **675MHz** core clock, **900MHz** (DDR 1800) memory clock.
- High performance 2-slot Fan Cooling.
- **DVI** (with Dual-link DVI, support up to 2560x1600), **HDMI** and **Analog VGA** connector support.
- Provides **HDMI** functionality up to 1080p resolution**.**
- Supports two monitors simultaneously, enabled by the NVIDIA **nView™** Multi-Display Technology for office applications, 3D gaming and professional applications such as CAD, DTP, animation or video editing. NVIDIA **nView™** allows end-users to select any combination of multiple displays, including a DVI, CRT and HDMI.
- Includes Gainward's award winning **EXPERTool™ tuning utility** for customized performance enhancements and efficient desktop management.
- Easy Plug-and-Play **AUTORUN** installation from CD-ROM.

CHIPSET SPECIFICATIONS

- **NVIDIA GeForce™ GTS 250:** NVIDIA's fourth-generation GPU architecture built for Windows Vista.
- **NVIDIA unified architecture**: Fully unified shader core dynamically allocates processing power to geometry, vertex, physics, or pixel shading operations, delivering up to 2x the gaming performance of prior generation GPUs.
- **NVIDIA PhysX™-Ready:** GeForce GPU support for NVIDIA PhysX technology, enabling a totally new class of physical gaming interaction for a more dynamic and realistic experience with GeForce.
- **NVIDIA CUDA™ Technology:** CUDA technology unlocks the power of the GPU's processor cores to accelerate the most demanding system tasks – such as video transcoding – delivering up to 7x of performance over traditional CPUs.
- **GigaThread Technology:** Massively multi-threaded architecture supports thousands of independent, simultaneous threads, providing extreme processing efficiency in advanced, next generation shader programs.
- **Full Microsoft DirectX 10 Support:** World's first DirectX 10 with full Shader Model 4.0 support delivers unparalleled levels of graphics realism and film-quality effects. It provides reference GPU for industry's DirectX 10 API development and certification.

BUNDLED ACCESSORIES

- Gainward QuickStart Manual

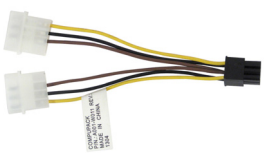


- Driver CD and Application S/W

Driver for Windows 7/Vista/XP

- Cables and Accessories

HDD Power Cable



Gainward GTS 250 512MB HDMI DVI

- **NVIDIA ForceWare Unified Driver Architecture (UDA):** Delivers a proven record of compatibility, reliability, and stability with the widest range of games and applications. ForceWare provides the best out-of-box experience and delivers continuous performance and feature updates over the life of NVIDIA GeForce GPU.
- **PCI Express 2.0 Support:** Designed to run perfectly with the new PCI Express 2.0 bus architecture, offering a future-proofing bridge to tomorrow's most bandwidth-hungry games and 3D applications by maximizing the 16 GB/s PCI Express 2.0 bandwidth(twice that of first generation PCI Express).
- **NVIDIA Lumenex Engine:** Delivers stunning image quality and floating point accuracy at ultra-fast frame rates:

  16x Anti-aliasing: Lightning fast, high-quality anti-aliasing at up to 16x sample rates obliterates jagged edges.

  128-bit floating point High Dynamic-Range (HDR) Lighting: Twice the precision of prior generations for incredibly realistic lighting effects – now with support for anti-aliasing.
- **NVIDIA Quantum Effects Technology:** Advanced shader processors architected for physics computation enable a new level of physics effects to be simulated and rendered on the GPU – all while freeing the CPU to run the game engine and AI..
- **OpenGL 3.2 Optimizations and Support:** Ensures top-notch compatibility and performance for OpenGL application.
- **PureVideo™ HD technology** The combination of high-definition video decode acceleration and post-processing that delivers unprecedented picture clarity, smooth video, accurate color, and precise image scaling for movies and video. It provides ultra-smooth playback of H.264, VC-1, WMV, MPEG-2 HD and SD movies.
- **HDCP Capable** Designed to meet the output protection management (HDCP) and security specifications of the Blu-ray Disc and HD DVD formats, allowing the playback of encrypted movie content on PCs when connected to HDCP-compliant displays.

Internal SPDIF Cable (for HDMI audio)

Note: Gainward's bundle items are subject to change. Please refer to your local Gainward dealer for more information, or the description in the regional product package

SYSTEM REQUIREMENTS

- Intel Core2Duo series, AMD Athlon 64 X2 series or above CPU
- A minimum of 2GB system memory
- A minimum 500W system power supply with one 6-pin PCIe power connector available.
- DVD-ROM drive
- Requires a PCI Express or PCI Express 2.0 compliant motherboard
- Requires an available PCI Express x16 slot
- Windows 7/Vista/XP

API SUPPORT

- DirectX 9.0c/10 in hardware
- OpenGL 3.2 support

OS SUPPORT

- Windows 7/Vista/XP

BAR CODE

- Large Box: 426018336-0889

GAINWARD

BEYOND YOUR SENSES

Gainward Europe GmbH | www.gainward.net | Tel. +49-89 89 899 0
Lochhamer Straße 29, D-821 52, Martinsried, Germany